Class of 1970 arrives: largest group yet at MIT

glimpse of undergraduate life at because of financial need.

The Class of 1970 was greeted at the opening meeting of Freshman Week End—the traditional four-day smorgasbord of orientation conferences, discussions, banquets, cook-outs, mixers, and tours-by MIT's new President, Howard W. Johnson, and Professor Paul E. Gray, Chairman of MIT's Freshman Advisory Council.

47 states represented

The new Class of 1970, which registers for classes on Monday. Sept. 19, arrived here from 47 states and 24 foreign countries. Its members came from 551 public schools, 115 independent or church-related schools and 36 foreign schools, where 196 had won varsity letters in athletics and where 224 had been on the editorial staffs of their school newspapers.

Scholarship level soars

Sixty-three per cent of the entering freshmen are receiving scholarships, by far the highest

The

Tech

Based on College Entrance Examination Board scores, this year's freshman class is probably one of the brightest MIT classes years. More than half scored 750 or better in mathematical aptitude (the average CEEB score is 500). On the verbal test the median score was 690, indicating that the entering freshmen can also express themselves well.

One new freshman, who just turned 15 in June, has requested, and is likely to get, advanced placement in all freshman core courses, which means that he would begin in these areas at the sophomore level. The student, Don B. Zagier, Stockton, California, has been studying for the past year at Winchester College in England.

Three of the entering freshmen are the sons of members of the faculty who are themselves graduates of MIT. David H. Covert,

(Please turn to Page 3)

Smullin selected Course VI head

By Mark Bolotin

Professor Louis D. Smullin has been selected to succeed Professor Peter Elias as Head of the Approximately 925 new fresh-level yet at MIT. Scholarship aid Department of Electrical Engimen arrived on the campus of from MIT alone will exceed \$500, neering. Professor Smullin is the Massachusetts Institute of 000, an 89.5 per cent increase most noted as the engineer who in Technology on Wednesday, Sept. compared to last year's total. No 1962 succeeded in bouncing a la-14, for their first pre-registration qualified student was turned away ser light beam off the moon and detecting reflections back to

> Professor Smullin has been connected with MIT almost continuously since 1941. He received yet, continuing a trend of recent the BS degree in electrical engineering from the University of Michigan in 1936 and the MS degree from MIT in 1939. He later joined the Radiation Laboratory, Gas Discharge Group.

After the war, Professor Smullin returned to MIT to organize and head the Microwave Tube Laboratory of the Research Laboratory of Electronics. He helped plan and set up Lincoln Laboratory and afterwards became Head of the Radar and Weapons Division at Lincoln. He received appointments as associate professor of electrical engineering in 1955 and professor in 1960.

Plasma dynamics

More recently, Professor Smullin's microwave studies have led him to the general area of plasma dynamics, and he is now head of the Active Plasma Systems Group



Dr. Louis Smullin, new Head of the Department of Electrical where he directed the Microwave Engineering, goes over data with associates which showed the group had successfully sent bursts of light from laser to the moon and received reflections back.

tremely hot plasmas—is basic to ment support. the long-range problem of power production through controlled thermonuclear fusion,

now helping build Kanpur under tory of Electronics.

of RLE. This work-producing ex- Agency for International Develop-

Professor Elias, who has served as department head since 1960, asked to be relieved in order to devote his full energies to teach-Professor Smullin has just re- ing and research in information turned from a one-year term on theory. During the coming year, the electrical engineering faculty Professor Elias will teach inforat the Indian Institute of Tech- mation theory at the graduate lenology at Kanpur, India. He was vel and will lead a freshman a member of a three-man MIT seminar on the same subject. committee which recommended Also, he will rejoin the Processing that MIT organize and join in the and Transmission of Information university consortium which is Group in the Research Labora-

Students invited

Inauguration of Johnson scheduled for October 7

The inauguration of Howard tutions and Learned Societies will W. Johnson as the 12th president send delegates to the Inauguraof MII' will be held on Friday, tion and a luncheon afterwards October 7, 1966. The program will will be held for them in the Dubegin at 10 am with an academic pont Athletic Center. procession followed by the ceremony in Rockwell Cage.

Tickets available

These tickets will not guarantee dent Center. a reserved seat, but a large section of the auditorium will be graduate students and their available for students and the guests the following Thursday, MIT community.

Single tickets can be obtained at the Information Office in the lobby of Building 7 on Thursday and Friday, September 29 and for personal deposits 30. Student identification will be

be seated in Cage for the Inaug- located in the basement of the uration, and another 1500 will Student Center Building will view the ceremonies via closed change from 9 am-2 pm to 9 amcircuit television in Kresge Audi- 2:30 pm. The hours at the other

More than 225 Academic Insti- will remain the same.

Undergraduates hosted

President and Mrs. Johnson have invited undergraduates and General admission tickets will their guests to a reception and be available for students who dance Saturday night, October 8, wish to attend the ceremonies, from nine to midnight in the Stu-

> A reception will be held for October 13, from 4:30 to 7 p.m. in the Sala.

Banking hours aftered

The banking hours of the Stu-Approximately 4100 people will dent's Personal Deposits Office Bursar's and Cashier's Offices

By Gordon Logan

Vol. 86, No. 29

Rush Week 1966 was an encour- of rushees pledged.

ord was set for the total number

Cambridge, Massachusetts

aging event for all fraternity men. IFC Rushing Chairman Ken Not only was there a record num- Schoman '67 of Chi Phi was unber of incoming freshmen regis- derstandably pleased with the tered for the week, but a new rec-final results, but also added praise

for the smooth operation of the Clearing House. Under the direction of Bob McCrory '68 of Kappa Sigma the news system of computer analysis greatly facilitated the task of keeping track of all the rushees.

Partly responsible for the increase in attendance was the re-

written IFC Rush Book. The bookwas designed to encourage fresh-

Five Cents

Friday, Sept. 16, 1966

men to look at the MIT fraternity system, and included tips on how to go through Rush Week. Final totals were not available at press time, but Wednesday afternoon totals showed 695 rushees registered, up 42 from last year. 362 pledges were recorded, an in-

crease of ten from last year, but ten or fifteen more were expected by the end of Rush Week at midnight Wednesday. A breakdown of the individual houses is as follows:

AEP PKT 12 13 **PMD** 11 ATO 15 PSK 14 BTP 10 CP 15 PLP 13 SAE 16 DKE 7 13 SAM DΡ 10 SC10 DTD 10 SN 11 DU 9 22 SPE KS 15 TC LCA 13 13 PBE TX8 12 PDT 9 TEP 18 15 TDC 13 PGD ZBT 14 24 PKS



RUSH, RUSH, RUSH is the password at Kresge Auditorium as the freshmen exit from the pre-rush week meeting. They are met eagerly by members of the 28 fraternities on campus, which drew 364 pledges in all by Wednesday midnight.

Frosh receive SC booklet

A twenty-page, multi-colored ginally intended only to familiarize Center Committee to the fresh-

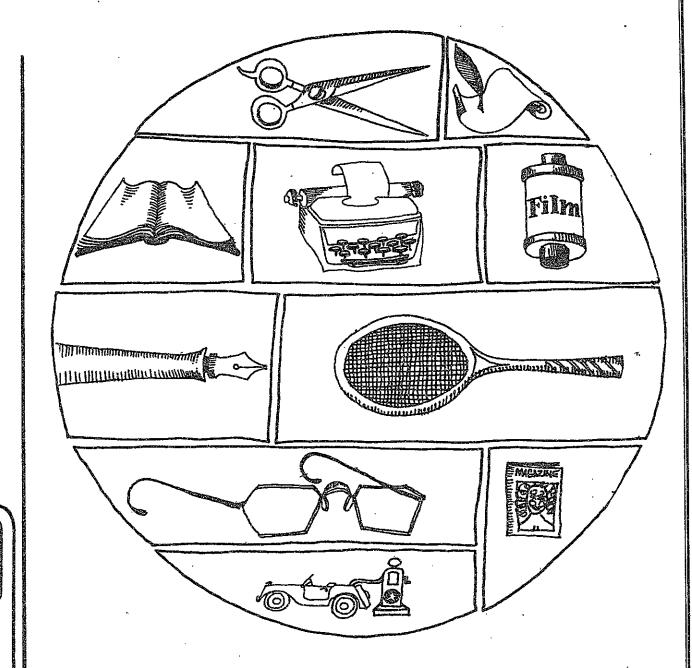
Although the booklet was ori- graduates.

booklet about the Student Cen- new students and guests with the ter was distributed by the Student Stratton Building facilities, the Alumni Assocation has agreed to The booklet contains maps, pay for much of the production hours of operation, and a directory cost and will distribute a large to services/with telephone listings. number of copies to interested

Mrs. Fassett stricken Wednesday



The MIT community was saddened Wednesday afternoon by the unexpected death of Mrs. Julie Fassett, wife of just retired Dean of Residence Frederick G. Fassett, Jr. Mrs. Fassett, for years the Institute's most loved hostess, was stricken suddenly at her home in Damariscotta, Maine.



: 1 D

ANY TECHMAN M. I. T. CAMBRIDGE, MASS. HARVARD COOPERATIVE SOCIETY

On our 50th year of service to the M.I.T. community, the Tech Coop welcomes you to Cambridge and extends an invitation to join the Coop. Membership for only \$1.00 annually entitles you to receive a patronage dividend on every product or service you purchase at not only the Tech store, but also at the Harvard Coop (Harvard Square) and at Coop affiliated stores and garages.

Coop membership allows you to charge your purchases and still get a patronage dividend. (It is suggested that all undergraduates have a definite understanding with their parents as to the extent it will be used.)

In addition, a check cashing service is available on Saturday between 9:00 a.m. and 2:00 p.m.

Passport to. .a World of Service

The Coop's wide-aisled Book and Record Department has all the textbooks you'll need and a large selection of technical and scientific books. The Record Department carries a great selection of popular and classical music.

The Coop is the best place to shop for all your personal, as well as class needs. The Men's and Women's Shops, Stationery,

Barber Room: Eight chairs, experienced barbers, no waiting.

Bindery: Theses and magazines expertly and inexpensively bound.

Book Special Orders: Any book in print can be obtained.

Film Center: Special rates and rapid service for developing and prints.

Fountain Pen Repair Favorite writing instruments carefully restored to new efficiency.

Gasoline and Oil: Your Coop's newest service allows you to charge to your Coop account auto needs purchased at Rosetti's Texaco Station, 100 Broadway at 6th Street (off Kendall Square), and the

Gift and Appliance Departments are all stocked with quality merchandise, evermindful of the student's requirements and pocketbook.

There's even more to the Coop . . . our world of services. And of course Coop members receive patronage dividend on these purchases.

Crimson Garage, 55 Boylston Street (near Harvard Square).

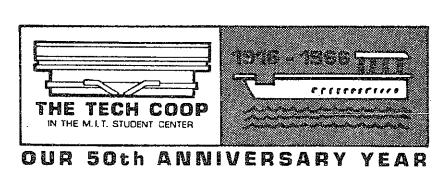
Magazine Subscriptions: All subscriptions ordered at lowest rates.

Optician: Professional Service conveniently located in Book Department for quick repairs or leisurely selection.

Tennis and Squash Racket Restringing: Quality materials and workmanship.

Typewriter Repair: Service and parts for all makes and models.

Furniture Store: Four Floors of famous make furniture with patronage dividend privileges at Putnam Furniture Company. 1045 Mass. Ave., in Cambridge.



Tech Coop simplifies procedure for exemptions from sales tax

ments for students to claim their sales tax exemption on textbooks ence.

the student was registered.

cluded a survey of methods used listed.

The Technology Store of the by other Boston area institutions Harvard Coop, in cooperation with to comply with the law, MIT and MIT, has worked out arrange the Coop formulated a plan which it is hoped will be a minimum of with a minimum of inconveni- inconvenience to students and staff alike.

The sales tax regulations for the Blank forms, signed by Profes-Commonwealth of Massachusetts sor William N. Locke, Director of which went into effect last year Libraries, will be available in all exempt the parchaser of any text-book "required for instructional MIT libraries, including the Repurposes" from the payment of serve Reading Room on the fifth kitchen, living room, and 2 bedthe three percent sales tax on floor of the Stratton Student Centhat book. In order to claim this ter. To claim his exemption, the exemption, the Commission on student should obtain forms, fill Corporations and Taxation re- in the blanks with the name of quires that the student present the the textbook and the course for vendor with a form, signed by an which it is required, and present authorized officer of the Institu- the forms to the cashier in the tion, certifying that the book was Coop at the time he pays for the required for a course in which books. Only required books for courses in which the student is After an investigation, which in- actually registered should be

To form auxiliary dorm

Apartment house rented

By Gerry Banner

iliary dormitory to alleviate the armory. housing shortage on campus.

MIT's newest living group will house approximately 42 students will inhabit suites consisting of a rooms. The West Street dorm will contain air conditioning and wallto-wall carpeting.

Similar to Bexley

Only about 13 of the residents mile from the Main Buildings of and Marine Engineering. the Institute.

men. During Rush Week, before four years in any one of four COUISE IV DIOIESSOI

360 freshmen had pledged and to be located west of Burton A new apartment house at 27 moved into fraternities, many House, is now in the engineering

MacGregor planned

West Street, Cambridge has been frosh had to be housed temporar- drawing phase, and will reduce leased by the Institute as an aux- ily in the second floor of the the overcrowding considerably when it is erected. Meanwhile, the Institute has secured a five year The planned MacGregor Dorm, lease on the West Street facility.

and resident tutor in 8 four room apartments. Groups of six students boy. 15. seeks soph status

(Continued from Page 1) of the new dorm will be freshmen nautics and Astronautics Departto insure adequate representation ment; William D. Kingery, Jr., of the uppermen. The format will Marion, Mass., the son of Profes-Hall, and Commons meals will be of Metallurgy; and Patrick M. optional. The new dorm is located Leehey, Swampscott, Mass., the off Central Square behind Cam- son of Professor Patrick Leehey, bridge City Hall about ¾ of a Department of Naval Architecture

New Degree Offered

The housing problem has reach- This year's class will be the ed critical proportions with the first to whom the new degree of conversion of 45 East Campus Bachelor of Science in Art and single rooms to doubles. In addi- Design will be offered by the Detion 3 floor lounges in Baker partment of Architecture. Under-Houses have been converted to graduates who elect this program Ir Zalewski named triples to house overflowing fresh- will be able to earn a degree in

areas of concentration: architec-Belmont, Mass., the son of Pro- ture, city planning, visual design fessor Eugene E. Covert, Aero- or history, theory and criticism of the visual arts.

MIT is also planning to offer a full-scale humanities major for Qbe very similar to that of Bexley sor W. D. Kingery, Department the first time-subject to the approval of the MIT faculty at its meeting next Wednesday. Until now at MIT it has been possible to choose a humanities major only in combination with a major in engineering or science-a double major. The new humanities major would give students with multiple tastes and talents more freedom to change their minds.

The appointment of Dr. Waclaw Zalewski as professor of architecture at MIT has been announced by Dean Lawrence B. Anderson of the School of Architecture and Planning.

Dr. Zalewski is widely known for his pioneering work in shell and prefabricated structures, especially because of the ingenuity and purity of form of his design, and has often been referred to in Europe as "a new Pier Luigi

VOLKSWAGEN



AUTHORIZED VOLKSWAGEN DEALER SERVICE - SALES - PARTS

HAVE YOUR VOLKSWAGEN DELIVERED IN EUROPE We are specialists in overseas deliveries. All details arranged.

MOTORS

168 WESTERN AVENUE, ALLSTON - 783-1300

Near Harvard Stadium

Excellent bus service to M.I.T.

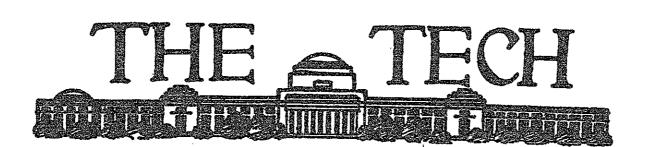
545 Technology Square (Opposite Garage in Back of East Campus)

Larry's Barber Shop

"For that well aroomed look. go to Larry's"

EL 4-6165

(I Hour Free Parking)



AN MIT TRADITION SINCE 1881

AN ENJOYABLE ACTIVITY.

VALUABLE EXPERIENCE.

Opportunity For All

Writing and Reporting: News, Sports, Features, Reviews, Special Interviews. Meet the people who are in the news. Develop writing skills.

Business: Advertising, Circulation, Treasury. Gain financial experience handling a \$30,000 annual cash flow business.

Photography: On-the-scene and darkroom jobs. Unlimited private access to THE TECH'S modern well equipped darkrooms.

IN THE STUDENT CE

In sympathy

When Julie Fassett died suddenly Wednesday each MIT under - graduate lost one half of a team that had served, comforted and cheered a generation of Tech students.

During Dean Fassett's decade as Dean of Residence and in addition during his service as Master of Ashdown House last year, Mrs. Fassett entertained thousands of students at teas, dinners and parties. Ever a most gracious hostess, she charmed us all by providing good food, pleasant surroundings, and stimulating conversation. On top of all this she often managed to remember our names, even when greeting us months later as she made her way about the campus.

We will miss her, especially now that we can't look forward to an occasional visit from Maine where she and Dean Fassett retired earlier this summer, As we miss her, we can only extend our heartfelt sympathy to the man whom she served as helpmate and companion for almost forty years.

The second time

Cambridge summers are long and dreary, particularly to the breed of species known as a VooDoo staffer.

It's not too surprising then that when a group of bored present and past Voo-Dooers meet in the humdrum atmosphere of the Cambridge summer trouble would soon follow.

Up popped the thought of rehashing last summer's fun idea and inducting a suitably chosen part of the Class of 1970 into that well known frosh honorary "Sigma Alpha Pi; better known as SAP.

Out went pompous letters of congratulations to about 500 members of the freshman class whose main achievement fails to reach its hottest point in the to date consisted of appearing on the next few months. left-hand side of the registrar's 'Admitted List.' Those so chosen were encouraged, as last year, to write a short essay accepting the offer of honor and send back same, with picture, to a post office in Cambridge, but the fall elections, the box in the Student Center post office.

ing freshmen (who probably deserve it); is bound to produce more action as stuthe ever jolly funnyman also dispatched dent groups reorganize and recruit. a note of congratulations and a press release detailing their offspring's achieve- will result, we feel that a certain amount ment to about half of the lucky SAPs' of activity is a healthy sign of the MIT parents. The press release, complete with student's concern with the world he lives an MIT seal on the letter head, needed in. This campus contains chapters of the merely to be filled in and submitted to Students for a Democratic Society, the

charm however, as in came irate letters publicans. We have a Bull Moose Club, and phone calls to the Deans' Office, the a Socialists Club, and a Civil Rights Admissions Office, and even the Presi- Committee. We also have a Committee dent's Office, from parents and freshmen Opposing the war in viet wam and a who have apparently gotten wiser in the Committee for Victory in Viet Nam. As past twelve months. Threats of legal ac- long as these groups sponsor speakers tion were encountered from one irate for the community, and talk rationally to victum.

Up went the anger of a certain well-ficial. known Dean of Student Affairs; out went inquiries to determine whose post office however, is that honorable men can disbox was receiving return SAP mail; and agree honorably. The other fellow can in came VooDoo circulation manager still be considered both sane and human Marc Levenson, a senior in physics with even if he doesn't agree with you on six straight terms of 5.0 cum and the bad Viet Nam, open housing, or Lyndon luck to be chosen fall guy for this par- Johnson. ticular stunt (Levenson apparently stood still when volunteers to visit 7-133 were taunts greeted peace marchers as they asked to take one step forward — the passed 77 Mass. Ave.; while the South rest of the summer VooDoo staff all took Vietnamese Ambassador to the U.S. was one step backward.)

for any inconvenience it may have duct their political debate. caused.

several of the VooDoo hierarchy have meetings of differences of opinion, it's attended additional discussions in the useless to expect rational debate in the



Vol. LXXXVI, No. 28 Sept. 16, 1966

ta '6
ld '6
in '6
as '6'
rg '6
er '6
ox 'é
e '6
tz 6
b '6
ss 'é
IE

Editorial Associate	Jeff Stokes '6
Editorial Associate	, Mark Bolotin 6
Associate Sports Editor	John Corwin it
entraniural ocuris Eunoi	INCLUS A DESCRIPT A
Controller Treasurer	. Geoff Brazer 't
Circulation Manager	Dave DeWitte '6
Cuadit Biomorrow	Dan Green 't
Bookkeeper	Ed walber c

Second-class postage paid at Boston, Massachusetts. The Tech is published every Tuesday and Friday during the college year, except during college vacations, by The Tech, Room W20-483, MIT Student Center, 84 Massachusetts Ave., Cambridge, Massachusetts 02139. Telephones: Area Code 617, 876-5855, and 864-6900 extension 2731. United States Mail subscription rates: \$4.25 for one year, \$8.00 for

the undergraduate Activities Council, chaired by VooDoo editor Keith Patterson, and the Faculty Committee on Discipline may be requested to act on the matter.

After all, 'You can fool some of the people all of the time, and all of the people some of the time, but you can't fool all of the people all of the time — A Lincoln.

Demonstrate sense

The long hot summer is over, but it would be surprising if one facet of student life, the political demonstration,

Since most students have been scattered by vacation, the past summer has seen litle student political zeal released continuing war in Viet Nam, the mount-Not content with hooking unsuspect- ing draft call, and the lure of the streets

Far from condemning the action that the local newspaper by the proud parent. Young Americans for Freedom, the The second time around wasn't a Young Democrats, and the Young Reeach other they are useful and bene-

What all of us need to remember,

Last year crude signs and cruder treated with severe disrespect by some After a short discussion, Levenson of his Kresge audience. Neither example signed and sent to all SAP freshmen a portrays how we feel supposedly intelliletter admitting the hoax and apologizing gent and mature students should con-

sed. We are supposedly a community of Since the conclusion of the incident scholars, if we can't conduct civilized

by Mike Rodburg

79. A former footnote has Time-Life award is named in finally materialized, as Course honor of those publications XI officially became City and whose relentless pursuit of the Regional Planning. This action elusive subscriber has supplied has, as the expression goes, fill- us with pencils, stamps, coned in the blanks — there are tests, and thousands of implornow 23 courses. Incidentally, ing letters telling us we are Course XI was at one time San- stupid, uninformed boors beitary Engineering. Considering cause our subscriptions run out the plight of today's cities, old in May of 1976 and we haven't eleven hasn't advanced too far. renewed at a savings of \$1.96

80. Our neighboring schools off the newsstand price. have bolstered the prestige of President Howard Johnson. He now boasts honorary doctorates from both Harvard and Northeastern Universities.

81. We wonder why the Institute seems to want to disassociate itself from the general catalogue issue for 1966-67 by providing us with an unreadable black on black cover? Apparently MIT is so status conscious it desires an unlisted bulletin.

82. Where did the nation's business elite go to school? about 7 houses, each eager to Surprisingly, one-third never at escort him to the clearing tended college. Of those that house. He was very nearly did, MIT ranked 10th over all whisked clear out of Logan befor providing captains of indus- fore he could protest audibly try and commerce, ahead of 4 that he went to Harvard. of the Ivy League schools. (But, 86. The Connecticut Genealas, behind Harvard, Yale, and ral Life Insurance Company has Princeton—one two, and three, distributed this year \$85,206 to respectively.) All this according 171 privately supported colto a recent Standard & Poor's leges under the company's anreport.

Council has given MIT the restricted as to use and are Time-Life award, the top prize given in the form of grants in direct mail competition which match employee contriamong State Universities and butions. MIT's share, it was an-Land-Grant colleges. No, this nounced this week, amounted award was not given to the IFC to \$5. Remember, this is an for its summer rush material, unrestricted financial grant, so but for direct mail techniques any suggestions as to what MIT used in announcing the campus can do with it would be appresummer program. Probably the ciated.

84. There is at least one freshman who is not complain. ing about paying \$1900 a year to Tech. We won't divulge his name, but his family has an athletic center named for them on the campus of a well known eastern technical school.

85. As the frosh arrived last Friday for the start of Rush Week they were met at the air. port by the many fraternities stationed there. One very dapper, promising young man was immediately converged on by

nual Program of Aid to Higher 83. The American Alumni Education. These funds are un-

Inside inscomm

A few words of advice to the class of 1970

–By Frank March, UAP .

an exciting blend of meeting new an important one. friends, beginning new courses of A further goal should be the study, and entering a whole new development of leadership. This spectrum of social adjustment. In development will be beneficial, if all this flurry it is easy to lose not more so, than any other singsight of what one can get from le quality gained while at MIT. and give to this new environment. The success of MIT graduates in of MIT. So it is necessary that an the business and educational world entering student define, or per- is indeed in large part due to the haps re-define, his goals for life qualities of leadership developed

Among these goals should be So work hard and play hard, desire to realize the meaning of but don't forget your committpersonal responsibility in an edu-ment to yourself and to the MIT cational environment. Our whole community, and don't neglect to student government and our evaluate your progress here. I structural MIT-student relation- wish you the best of luck for your

The first few weeks at MIT are sponsible, so this goal is indeed

while at MIT.

ships are built on the assumption four years here, and, of course, that students are, or can be, re- a warm welcome to MIT.

Kibitzer

By Mark Belotin

Bidding

South

pass

East was able to take complete control of the defense and to defeat what appeared to be an icecold contract.

While South's opening bid of one notrump with a worthless double- West (Please turn to Page 8)

North **△** 6 4 **♥** J 3 ♦ K Q 10 9 8 3 4 A 8 4 QJ 10 5 3 **4** 72 Q 10 9 **98762** AJ2 ♦ 54 🖧 K 5 ♣ J 10 7 3 2 🛊 A K 9 8 💖 A K 5 4 **\$** 76 Q 9,6

West

pass

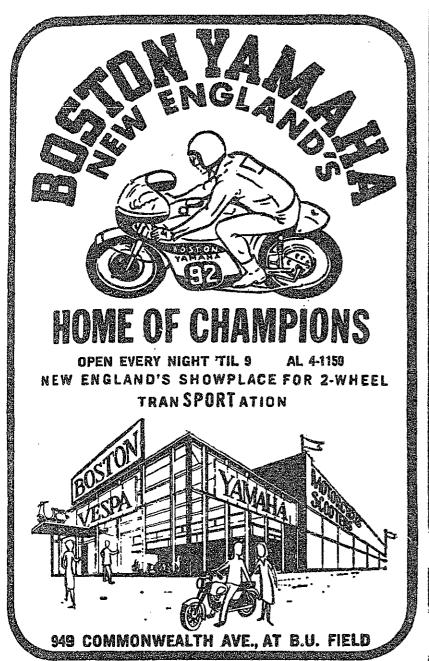
1 no tr'p pass

Opening lead: 43

North

3 no tr'p pass





Affects upperclassmen

Format for Registration Day changed

men will pick up roll cards in et and tie for the picture. Memorial as in the past.

is that additional space is needed new cards will include the stu- on Registration Day, but are refor taking color photographs of dent's Social Security number, to quired to have pictures taken may all those registering for the first avoid confusion in case of similar be photographed in 3-003, before time as undergraduates or gradu- names, month and year of birth, obtaining their roll cards in the ates. All students above the fresh- and a space on the back to affix Cashier's Office. Any errors on man year who received a degree a current sticker certifying that the card should be discussed with in June, 1966, or who were not the student is registered. The card the Bursar. registered second term of 1965-66, will be photographed before proceeding to the roll card stations. Those continuing as undergraduates or graduate students will go directly to the rear of the Armory to obtain roll card jackets. Freshmen will be photographed on Friday, during Orientation.

New permanent card

ricture. Students who are required this new chair, established to be photographed will receive through a fund pledged by the a similar permanent card, but late Alfred P. Sloan, Jr. with picture attached, on October Dean Jerome B. Wiesner of the

graphs are made for the cards, Charney's contributions to meteadditional copies will be made orology as a science have been in serve as roll card pictures and highly significant. He is an auturned in to instructors. Thus stu-thority on dynamical meteorology

On registration day, upperclass- dents are advised to wear a jack- is invalid without the sticker,

the Armory rather than in Build- The plastic identification card cards. The cards are Hollerith ing 13 or Building 10. Freshmen was adopted in order to make coded to make them compatible will obtain their cards in Walker identification off campus easier with anticipated mechanization in for students.

which is distributed with roll the near future.

Principal reason for the change In addition to the picture, the Individuals who are not present

Alfred Sloan Chair in Meterology awarded to Dr. Jule G. Charney

Dr. Jule G. Charney, one of the and oceanography and pioneered world's leaders in the application in the field of numerical weather of computers to weather analysis, prediction. The appointment of a Roll card jackets of continuing has been appointed Alfred P. distinguished scientist is appropristudents will contain a new per- Sloan Professor of Meteorology, ate to honor the memory of Mr. manent registration card, without He will be the first to occupy Sloan."

3 at a place to be announced. School of Science, who announced At the same time that photo- the appointment, said "Professor

Worked with von Neumann

Dr. Charney's career includes the directorship of the Meteorological Research Group at the Institute for Advanced Studies at Princeton, N.J., during which time he was associated with the late Dr. John von Neumann at a time when new concepts were being involved for the mathematical analysis of weather by large computers.

Matthill Editor of Tech Review

John I. Mattill, Director of Publications at MIT, has been appointed Editor of Technology Review, the monthly magazine of the MIT Alumni Association. William T. Struble, who has been Editor of the Technology Review for four months, and was previously its Managing Editor, has been appointed Director of Publications.

Mr. Mattill has been Director of Publications since 1952, having come to MIT from the State University of Iowa in 1948. He is a graduate of Carleton College in Northfield, Minnesota, and of the State University of Iowa.

Mr. Struble came to MIT in 1959 as Assistant Director of Public Relations and appeared as host on the WGBH-MIT television program "Science Reporter." Since tor of Technology Review. Mr. Struble is a graduate of Hobart College, and has studied languages at the Sorbonne, Yale University, Harpur College and Middlebury College Summer Russian School.

1964 he has been Managing Edi-

USED FURNITURE

- SUsed maple, walnut, and mahogany chests, dressers, beds
- Two & three piece living room sets, sofas, sofa beds, chairs
- Studio couches, mattresses and box springs Dining room, dinette and
- kitchen sets Rugs and runners, writing tables, bookcases, desks, and refrigerators

Visit our budget furniture deartment. Come see us last. You will appreciate our prices more.

Open 8:30 to 6:00 P.M. Monday, Thursday and Friday 'eil 9:00 P.M.

UNION SQUARE FURNITURE and STORAGE CO.

337 Somerville Ave., Somerville PR 6-0716



Charlesbank Trust Company

124 Broadway, Cambridge, Massachusetts 02142 / 864-4444

Dear Student:

It is good to know that you have resumed your studies at MIT. We welcome you to our city and wish you every success.

Our bank is conveniently located to save you time and effort in transacting your financial affairs. It brings into the MIT vicinity complete banking services.

We believe our Special Computerized Checking Account offers the safest means to draw the exact sums to meet expenses as they arise during your studies at MIT. There is no better receipt than the cancelled check mailed to you with your monthly statement of account. Such a checking account can be used very economically.

You are cordially invited to visit Charlesbank Trust Company and give us an opportunity to explain fully how we can take care of your banking requirements; Monday through Wednesday from 8 a.m. to 5:30 p.m. and Thursday and Friday from 8 a.m. to 6 p.m. We have ample parking facilities and a drive-up window.

Looking forward to having the pleasure of rendering you every possible service within our banking power.

Very truly yours,

CHARLESBANK TRUST COMPANY Luden Kucky, an

Zaven Kurkjian Executive Vice President

Humphrey Bogart Tonight & Tomorrow "BEAT THE DEVIL" The Beatles Starts Sunday: "A Herá Day's Night" Showings daily at 5:30-7:30-9:30 Sunday matines at 3:30

Cambridge Chorale plans auditions

The Cambridge Chorale, for singers who like to sing mixed repertoire ranging from pre-baroque to the present, will hold auditions for all voices at the First Church in Cambridge, Congregational, corner of Garden and Mason Streets, opposite the Common, near Harvard Square, on Monday, Tuesday and Wednesday evenings, September 19-21, from 7:30 to 9:00 p.m. No appointment is necessary. If further information is desired, please call 876-5829.

movies . . .

By Jeff Stokes Not everybody will like "Who's Afraid of Virginia Woolf?" Many people are too distressed by the sight of a marriage blowing itself to bits to enjoy the story of raw language scandalizes them; or else they can't stand to have their images of Elizabeth Taylor and Richard Burton destroyed. The pair have been cast into a role quite different from their previous performance in an all-time smash spectacular like "Antony and Cleopatra." Even "Sandpiper" was tame by comparison.

> the usual schmaltzy rot that emanates daily from Hollywood, with

High Income Jobs

On Campus

Get a high paying job in sales.

distribution or market research

right on your own campus. Be-

come a campus representative

for over 40 magazines, American

Airlines, Operation Match, etc.

and earn big part-time money

doing interesting work. Apply right away! Collegions Marker-

ing, Dept. H., 27 E. 22 St., New

York, N. Y. 10010.

WHO'S AFRAID OF VIRGINIA WOOLF?', based on the play by Edward Albee: directed by Mike Nichols: starring Elizabeth Taylor and Richard Burton; now playing at the Astor Theatre.

departure from the commonplace

Martha and George; or else the its Main Street morality and respect for all-American traditions, you might appreciate Mike Nichols' rendition of the controversial Albee play "Virginia Wollf" wrenches an anger out of you and moves you to a kind of George proved a flop, as far as sympathy that only a playwright succeeding her father as presican produce. The film is raw because life can be raw.

And yet "Virginia Woolf" is a But if you are sick and tired of love story. Even though George and Martha lay into one another with language that would make a drunkard blush, one can detect beneath the surface of their innuendoes a real bond between them. They cling to each other, in this subworld, out of their mutual weakness, a lack of drive and creativity. Martha, tough as a longshoreman, is enough to destroy any man she lives with, unless he is wise to her games. As she tells Nick in the kitchen, George is the only one who can learn the rules of her games as fast as she can make them up.

Martha insists on living in a

world of illusion with her fantas. tic son; she would have gone on doing so with any man but George, who forced her to face reality. This is all Martha wanted: authority. Like any women, she has the need to be dominated, to be, in a sense, the inferior of at least one man. Of all but George she is the superior, or at least that is how she feels in the pres. ence of other men. The fact that dent of the college is concerned means nothing in the final analysis; it merely provides her with ammunition. He is the only one who can master her, and this is what she wants. He is the only one who can protect her from Virginia Woolf.

A word about the filming; in Albee's play the scene is set in George's living room throughout the piece, even though part of the action occurs off-stage. In Mike Nichols' film version, the scene shifts from the living room to the kitchen, to a swing out in the yard, to the bedroom, to a roadhouse, and back to the livingroom again. This moving about is smoothly done and serves to break up the monotony that might arise from having a single set. The film is a brilliantly edited version of the play in which the raunchy language is soft-pedalled but not eliminated.

Take a dare and go see "Virginia Woolf'. It's a film that works by double meanings and subtle suggestion; it may perplex you even after the third time; but there is a lot of substance to it if you are bold enough to look.

433 MASS. AVE. - TR 6-8512 CENTRAL SO., CAMBRIDGE

- O I AVS I I ES EN PANGERS
- ROOKERNANGANS
- CORDUROY EVS & LES
- CAMPROGRAMOUARTERS

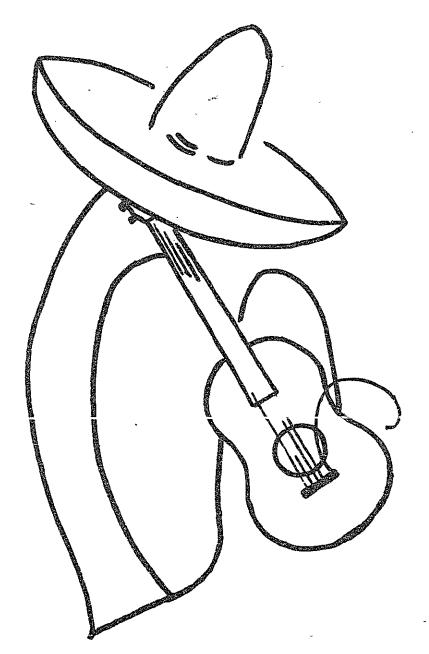
SPECIALSAL

- MOOFARMABAMATS
- USOWO BYWYSIRS
- CARABETANARS

Wanted by Record Club of America CAMPUS REPRESENTATIVE To Earn Over \$100 in Short Time

Write for information to: Mr. Ed. Benovy, College Bureau Manager, Record Club of America, 1285 E. Princess Street, York, Pennsylvania 17405

DOESNII DEDE DLA



PEPE found that EVEN HE could assemble H. H. Scott KITS. While HE reads English with difficulty, he found Scott's FULL COLOR PICTORAL Assembly Manual entirely clear.

But what REALLY made him abandon his guitar was listening to his MARIACHI RECORDS . . .

And with all the MONEY HE SAVED he found he could buy plenty of Tequila and Enchiladas.

By the way, Pepe will serve you a free CUP OF COFFEE w hile Audio Designs Technicians do a PER-FORMANCE CHECK on your equipment. Upon completion- NO CHARGE -2 yr. guarantee on Parts.

Scott . . . where innovation is a tradition

SQ. (LOOK FOR OUR DOOR) CAMBRIDGE 30B BOYLSTON BETWEED 30 & 32-ACROSS FROM 31 SPECIALISTS IN HI FI-STEREO SYSTEMS AND SERVICE MARANTZ - BOSE - KLH - DUAL - JBL - SCOTT - DYNACO ADC - A.R. - WHARFDALE - AMPEX - REVOX - B&O

Season opens next week

the opening concert of each of the conductors. seven subscription series.

Boston Symphony

The two Tuesday series, Series A and Series B, each bave a mimber of subscriptions available. tember 27. Music Director Erich October 6.

The Boston Symphony Orches- Leinsdorf has invited Richard tra announces that season sub- Burgin, Colin Davis, Rafael Kuscriptions are available for its belik, Charles Munch and Gun-Tuesday and Thursday concerts in ther Schuller to be guest conduc-Symphony Hall. The Orchestra's tors at these concerts. For the new season, the Eighty-sixth, will six concerts of Tuesday Series B, open on September 23 with a per- which begin at 7:30 on October 4, formance of Mahler's Symphony Thomas Schippers and Mr. Schul- N_0 . 3, which will be repeated at ler have been invited as guest

Two Thursday series of concerts will also begin at 8:30 p.m. Series A, six concerts, will open Series A, consisting of 10 con- on September 29. The Thursday certs at 8:39, will begin on Sep- Series B concerts will begin on

Novies and theatres

MOVIES

Aster — 'Who's Afraid of Virginia Woolf?', 10:15, 12:30, 2:50, 5:10, 7:25,9:45; Sun. 1, 3:10, 5:15, 7:25, 9:35. Brattle — 'Beat the Devil,' 5:30, 7:30, 9:30: Sun. 3:30, 5:38, 7:30, 9:30.

7:40.

Paris — 'A Man and A Woman',
2, 4, 6, 8, 10.

Park Sq. Cinema — 'The Pawnbroker', 1:30, 5:30, 9:30; 'The
Servant', 3:30, 7:30.

Savoy — 'Beau Geste', 11:47, 3:12,
6:37, 10:02; Sun. 3:02, 6:22, 10:02;
'Don't Worry, We Will Think of
a Title', 10:15, 1:40, 5:05, 8:30;
Sun. 1:30, 5, 8:30.

Saxon — 'Doctor Zhivago', 8:15;
Wad., Sat. 2, 8:15; Sun. 2, 7:30.

Symphony I - 'Darling', 'Taste of Honey'.

Uptown — 'Glass Bottom Boat',
'Big Hand For a Little Lady'.

West End Cinema — 'The Shop on
Main Street', 11:35, 1:55, 4:20,
6:40, 8:55: Sun. 1:55, 4:20, 6:40,
8:55.

THEATERS

Charles Playhouse — 'Love for Love,' by William Congreve; Sept. 22-Oct. 30; Tue., Wed., Thur., Fri., 8: 30; Sat. 5, 9; Sun. 3, 7: 30.
Colonial Theater — 'The Loves of Cass McGuire'. Sat. 2: 30; closes Sat.; 'I Doi I Do!', with Mary Martin, Robert Preston; starts Sept. 26-Oct. 15.
Rockport Playhouse — 'The Fantasticks', by Tom Jones and Harvey Schmidt thru Oct. 2.
Shubert Theater — 'The Apple Tree', with Barbara Harris; Thur. 2: 15; Sat. 2: 30.
Wilbur Theater — 'At the Drop of Another Hat', by and with Michael Flanders and Donald Swann; starts Sept. 26-Oct. 8; except Sun. 8: 30; Sat. 2: 30, 8: 30.

Relax and Divert

590 Commonwealth Ave. (Opposite B.U. Towers)

Pocket Billiards "Great for a

Date"

Peter De

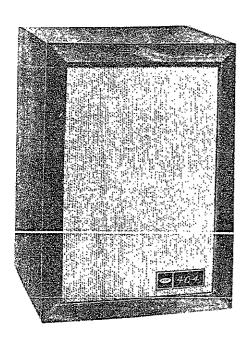
Twenty Chimneys

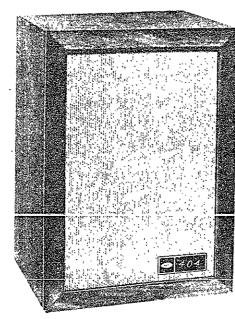
welcomes

third floor - Student Center

opening September 19







Let this ADC-GARRARD system be your choice if you desire performance.

SUPERIOR to any portable — Compact in its price range! Solid state design

'AUDIO DESIGNS'. will assemble & check your system while you have a cup of our 'Home Brewed Latin Coffee.'

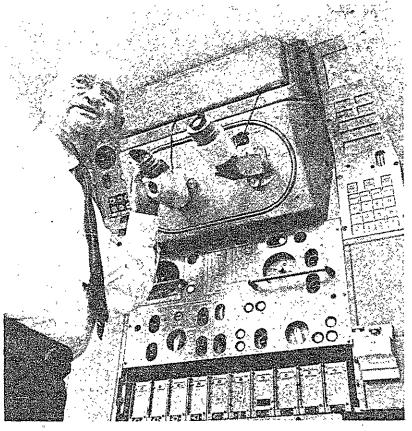
GUARANTEED AND READY TO PLAY

*Normally a \$326 retail value

time payments available

'AUDIO DESIGNS' (Look for our door) HARVARD SQ. 30B BOYLSTON — Between 30 & 32 — Across from 31 Monday thru Friday 9:30-9:30 Saturday 9:00-6:00

MIT offers contributions to Apollo space program



Dr. Charles Draper, Director of Instrumentation Laboratory. sits at the controls of a model of the guidance and navigation system his laboratory developed for the National Aeronautics and Space Administration's Project APOLLO mooncraft.

By Jim Smith

While MIT the school may have Lab. been in places from Hawaii to Miami soaking up benefiicial sun- ufacture of the various spacecraft, president of Texaco, Inc., and a Industries, Inc.; and George R. rays, MIT the business was having a landmark summer of space achievements in the Apollo program, the designing for which, like most of NASA's projects, was the direct and sole responsibility of the Institute's Instrumentation Laboratory.

produced in the Instrumentation

but formulates the designs and 1926 graduate of the Institute, supervises the testing of interim has been elected President of the and final models.

The system of advanced guid- sociation for 1966-1967. ance presently being formulated Mr. Mangelsdorf succeeds Sam- socation President, is a native year's Alumni Officers Conferunder Professor Draper is called uel A. Groves of Wellesley, Mas- of Atchison, Kansas. He received ence, the Alumni Association is SABRE, for Self Aligning, Boost, sachusetts, President of United- his bachelor degree in 1926 and not something to be joked about and Re-Entry.

The crucial contribution of the from work done under federal Alumni Day luncheon in the MIT "I-Labs", headed by Professor contract in the I-Lab. Rather the Great Court, Monday, June 13. Charles S. Draper, was in the de- Institute receives its greatest Some 1500 alumni and their guests sign of the inertial guidance sys-gain in the research activity of returned to the campus for the tem necessary for all such flights. Professors and students in the annual Alumni Day Program. The remarkable accuracy of the lab and the dynamic impact that first Apollo flights this summer is this has on the updating of the its members for 5-year terms as a credit to the quality of work regular MIT curriculum and alumni members of the MIT Corknowledge.

speaks to

By Chuck Kolb

citation is an open palm extended in 1964. immediately upon graduation, last week's Alumni Officers Conference was a pleasant surprise.

MIT now.

1966, compared to \$1,592,244 by enriched education, \$29.9 miles To the average student, whose 15,225 alumni collected in 1965, lion; and Other,-\$1.2 million conception of MIT's Alumni Asso- and \$968,880 from 14,971 alumni

Second Century

The alumni also heard how the pay their faculty better salaries Institute is spending the \$98,500,- and fringe benefits than MT Approximately 400 permanent 000 collected through the effort of does, but we ought to be first." class officers, alumni club offi- the Second Century Fund as well He indicated that the Institute is cers, and members of the educa- as an additional \$16 million ad- working towards that goal, tion council (who interview hope- ded to SCF funds by government As an example of 'fallout bene ful future freshmen) paid impres- and foundation grants. According fits' from the Second Century sively studious attention to Cor- to Chairman Killian the resulting Fund, Dr. Killian pointed out that poration Chairman James R. Kil- \$114.5 million was divided into: since some donations were given lian. Jr. '26, Dean Paul E. Gray Major buildings for teaching and explicitly for a new chemistry '54. Dean Kenneth R. Wadleigh research, \$32.8 million (Green building, even though that was '43, Director of Admissions Ro-Bldg., Bush Bldg., Hermann not a fund goal, fine plans have land B. Greeley, and President Bldg., Whitaker Bldg., Center for been completed and approved in Howard W. Johnson explain the Space Sciences, etc.); Facilities such a structure. problems and opportunities facing for students, \$17.4 (Student Center, Boathouse, Eastgate, West- In addition to being briefed by Along with explanations of the gate, McCormick Hall, etc.) Util- the administration, the alumnian new freshmen curriculum, re- ity buildings, future buildings, tively attended panels on Alumi ports on the student environment, modernization,-\$5 million; Stu-Association activities and proband facts about admission proce- dent aid, \$3.9 million (including lems, saw displays from the Sci. dures, the alumni did hear some \$4 million endowed); Faculty sal- ence Teaching Center and Educafiscal facts. Among them: 16,272 aries,—\$10.8 million (including \$7 tional Services Incorporated, list. contributors donated \$2,210,356 to million endowed); Basic research, ened to faculty members talk MIT through the Alumni Fund in -\$8.5 million; New programs for about research and study advan-

Faculty pay

Dr. Killian also told the alumni that only "2, 3, or 4 institutions

ces, saw the Pierce Boathouse dedicated.

Throughout the conference's activity an atmosphere of almost classroom intensity prevailed Lik tle 'have another drink for the class of '38' feeling was present instead the delegates seemed to be seriously trying to find the best ways to apply their professional knowledge as well as their financial success to the task of improving and supporting the Institute.

At least to the delegates at this proud to have attended.

Alumni Association chooses Manglesdorf as president

Theodore A. Mangelsdorf of ieson '31, President of Standard New York City and of New Kent, Oil of New Jersey; John Law-MIT is not involved in the man- Virginia, retired executive vice- rence '32, President of Dresser 55,000-member MIT Alumni As- ber Company.

Carr, Inc., of Boston. He will MIT makes no financial gain formally assume office at an in the field of chemical engineer- to improve a school they are

The Association nominated 3 of poration. They are John K. Jam-

Vila '33, President of the US Rub-

Mr. Mangelsdorf, the new Ashis masters degree in 1929, both or ignored, but a tool with which

you want to live without - cold drinks, cold snacks, and warm friends. Rent one now at low, low rates.

Call Walcott Sales, 275-7570

SHOT FROM DURS Janmed ono ici Despite fiendish torture dynamic BiC Du writes first time every time! BiC Medium Point 19¢ F-25 FINE PT & BIC U.S.A.

Kibitzer . . .

(Continued from Page 4)

ton isn't the most orthodox, the final contract of three no trump would be reached by almost any bidding sequence.

East won the opening club lead and surveyed the situation. It was apparent that he could count on his partner for no more than a Jack, and the opening lead of the three of clubs with the deuce missing indicated a probable fivecard suit. There did not appear to be time to set up two heart tricks before declarer established the diamond suit, but East saw a way to foil declarer.

Spectacular duck

East exited safety with a club. when declarer led a diamond to the King, East ducked. South returned to his hand with a spade and led another diamond. East won and returned a spade; declarer no longer had the entries to establish the diamonds and was helpless to make his contract.

In spite of East's fine defense, declarer should make his contract. At trick three, South should lead a diamond to the board and play the ten. Since East probably has a doubleton club, he cannot knock the club Ace off the board. Declarer can later go to the board with a diamond to knock out the Ace and still has the Ace of clubs as an entry to the diamonds.

RACKETS RESTRUNG One-Day Service Tennis & Squash Shop 67A Mt. Auburn St., Cambridge (Opp. Lowell House) TR 6-5417

BiC's rugged pair of stick pens wins in unending war against ball-point skip, clog and smear!

Despite horrible punishment by mad research scientists, BIC still writes first time, every time. And no wonder. BIC's "Dyamite" Ball is the hardest metal made, encased in a solid brass nose cone. Will not skip. clog or smear no matter what devilish abuse is

devised for them by sadistic students.

Get both BICS at your campus store now. The BIC Medium Point for lecture notes, sneak exams and everyday use. The BIC Fine Point for really important documents...like writing home for cash.



The project is to be carried on at MIT in conjunction with Project INTREX, a larger program of information transfer experiments under the direction of Dr. Carl F. J. Overhage, who also serves as one of three members of an ANPA Scientific Advisory Committee.

The program's initial efforts will be centered around computer-aided procedures in editing and in-

formation management. It will be they are to be used in the model under the technical direction of library of the future. There are William B. Kehl, newly-appointed even possibilities that the editor Associate Professor of Electrical of the future will be a 1620. Engineering, and Associate Director of the Computation Center at Tech employees union

The overall goal of the project to vote on new contract at MIT, and of Project INTREX as a whole, is to apply the newest means of information storage and retrieval, of analysis, of character recognition, of reproduction, and of distribution of information to the operation of newspapers in much the same way in which

ADVERTISEMENT

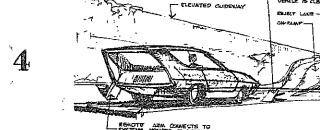
THE BIBLE says:

He that followeth after righteousness and mercy findeth life. frighteousness, and honour.

---Proverbs 21:21

Local de la company de la comp





Drawings of four different vehicles suggested for the METRAN urgan transportation system; I—the low-slung 40 passenger Bos; 2—the variable-route 10 passenger GENIE vehicle; ment is set for Tuesday, Septem--the two-passenger PERC capsules; and 4—the personal veber 20. The Negotiating Commithicle for conventional travel and automated guideways. tee will recommend ratification to

Ruina appointed Vice-President upon return from 2-year leave

Dr. Jack P. Ruina, professor of senior officer on matters relating fense Analyses in Washington, strumentation Laboratory. D.C., returned to MIT July 1 as Vice President for special laboratories.

The announcement of the vice presidential appointment was issued by President Howard W.

electrical engineering at the Insti- to the two national service laboratute; who had been on leave since tories administered by the Insti-September 1964 while serving as tute for the U.S. government, the President of the Institute for De- Lincoln Laboratory and the In-

Automated transportation planned

Lincoln Laboratory in Lexington, Mass., conducts fundamental research in communication sciences, computer sciences, and in general and applied physics, astrophysics and geophysics. The Instrumentation Laboratory in Dr. Ruina will be the Institute's Cambridge specializes in inertial guidance, navigation and control systems and is designing, among several assignments, the guidance system for the Navy Poseidon missiles and the guidancenavigation system for NASA's Project Apollo mooncraft.

OCUT TO ORDER

DANISH

OCHAIR CUSHIONS

"IMPORTED"

UNPAINTED FURNITURE "DISCOUNT PRICES"

Students in the MIT systems engineering course have developed a master plan for improving and automating urban transportation.

"Project METRAN" is an evolutionary student proposal. The program would start with small improvements now, including streets for buses only in downtown areas, and non-scheduled jitnev buses in suburban areas.

30-year plan

But if the proposal were carried out, urban transportation would gradually over the next thirty vears become fully automated. with everyone riding automobilelike personal vehicles or buses over computer-controlled guideways built out of present highways and rapid transit lines.

10 departments involved

The 14-week interdepartmental course entitled "Special Studies in Systems Engineering" gives seniors and graduate students experience in working on large and complex problems that require people from many different professions. The 39 students enrolled this year included majors in civil engineering, electrical engineering, aeronautics and astronautics, mechanical engineering, mathematics, metallurgy, management, political science, city planning and architecture.

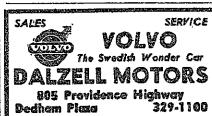
Hillel Foundation announces events

The MIT Hillel Foundation cor-dially extends an open invitation to the following activities: Friday. Sept. 16, 9:00 pm: A Visit With BU Hillel. Meet in front of the DuPont Athletic Center.
Saturday. Sept. 17, 9:30 am: Sabbath Services. MIT Chapel.

Saturday, Sept. 17, 8:30 pm: Orientation mixer featuring The Cadillacs. Student Center, Sala da Puerto Rico.

Sunday, Sept. 18, noon: Freshman reception, Student Center, Mezza-

Sunday, Sept. 18, 5:00 pm: Fresh-man picnic. Meet in front of Kresge. Small charge for non-members.



OPILLOWS

DESIGN FURNITURE

OMATTRESSES

READY=TO=PAINT

The Negotiating Committee of

the MIT Technical Employees'

Union has agreed to a settlement

with the Institute which if rati-

fied will avert a strike of 1500

the unions.

The vote on the two-year agree-

The previous bargaining agree-

ment expired July 1, and was ex-

tended by mutual agreement,

while negotiations have been in

progress since that date.

imeone s

Enjoy the Finest Italian-American Food

and Delicious Pizza

ITALIAN-AMERICAN RESTAURANT

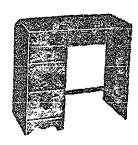
Choice Liquors and Imported Beers

21 BROOKLINE STREET, CAMBRIDGE — Tol. EL 4-9569

(at Central Square)

DESKS

* Ask about Student Discount Books



SPECIAL! **DESK & CHAIR** COMBINATION SA 0095

(Limited Quantity)

BOOKCASES

ALL SIZES



ALSO!



Chest

Drawers

Bricks

LOCATION

135 Harvey Sheet

Cement Blocks

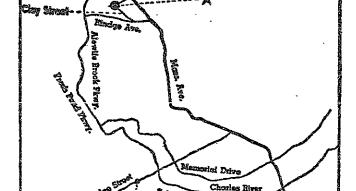
Pine Shelving

Flush Doors

- Table Legs
- Wall Brackets
- Stools

If you're coming by Mass. Ave., turn onto Harvey St. at number 2404 Mass. Ave.

You can come along Memorial Drive or Soldier's Field Rd. which lead directly into Fresh Pond Pkwy. and Alewife Brook Pkwy. (Rte. 2) as far as Rindge Ave., down Rindge Ave. to Clay St. to Harvey St.



GENERAL BUILDERS

ST 2-7851 KE 6-4950 TR 6-4460 OPEN DAILY 7:30 to 5:00 - SATURDAYS 7:30 to 4:00 135 Harvey Street

(Off 2404 Mass. Ave., Cambridge)

Cambridge

SOFA \$59.95 Complete

Cover Only \$24.95

DESK & CHAIR \$19.95

CHAIR \$24.95

BOOKCASE \$12.95

Foam Rubber Discount Center 165 Brighton Ave., Allston, Mass. CALL AL 4-4819

* Open Every Night 'til Midnight - Free Parking

rescue plan devised

in space, students in a class at weather satellite. MIT have a plan for launching The class this year chose an rescuers into orbit to save him.

Earth Rescue Operation) and they Aeronautics and Space Adminisworked out a complete 400-page tration already has indicated a with other gear, including space preliminary engineering design need and an interest. The students grappling hooks to pull in susand analysis for it as the class divided themselves into sub project in an interdepartmental groups, worked out the entire course in space systems engineer- plan, and reduced it to a single ing this past spring term.

The student plan would use the proposed capsule. Martin Co. TITAN III-C rocket as the NERO booster. The NERO Highlights of the course were command capsule and its sub-lectures by leading space sciensystems, however, they designed tists and engineers from governthemselves, based on the boat- ment and industry and a tour of shaped M-2 lifting body concept facilities at Cape Kennedy, Fla., for re-entry vehicles developed at sponsored by the U.S. Air Force. the federal space agency's Ames The course was concluded May Research Center, Calif.

Three major purposes

have three purposes: rescue, try officials. manned inspection of satellites. by 1975.

twice a year by mid-1970's.

ment.

Previous projects

the class have worked out plans NERO capsule would have room for such projects as a manned for four persons. The students mission to Mars, an orbiting as-visualize a pilot and co-pilot taking

If an astronaut ever gets stuck trophysical observatory- and a it into orbit and bringing down

orbital rescue system as their de-They call it NERO (for Near sign project because the National final report, plus a model of their

Lectures at Cape Kennedy

24 when the class made a daylong oral presentation of their NERO, operating in orbits 100 proposal before an audience of to 300 miles high, actually would university, government and indus-

Purpose of the course, taught missions. Moreover, the TITAN ment of Aeronautics and Astro- cryogenic fuels, can be counted for a wide margin of error. nautics, is to give seniors and down to T-minus-195 minutes and graduate students a foretaste of held on stand-by for up to 30 days the team approach to large-scale -an adequate time in which to space system design and develop- back up a manned flight in which a NERO rescue might be needed.

Four persons in capsule

In previous years, students in In its rescue configuration, the

stranded astronauts two at a time. The two passenger seats would be removed in the inspection configuration and replaced the Massachusetts Institute of Ltd. He joined the staff of the picious orbiting objects for a close look, Radar would be used for rendezvous and intercept.

The NERO vehicle was designed with an optimum chase capability. Using the liquid-fueled final stage of the TITAN III-C, NERO crews would be able to make one orbital altitude change plus a fivedegree change in orbital plane and still have fuel left for reentry, or any combination of these that add up to a total of 5,000 feet per second in velocity changes.

Few hours notice

Although they did not design it, NERO concept is that it could be in 1949 and received the master and re-supply of such vehicles as the students were required to con- launched-from Cape Kennedy or of business administration degree the proposed manned orbiting duct a complete booster analysis Vandenburg Air Force Base in from the Harvard Business School laboratory (MOL). Of the three, and their conclusion was that the California-on a few hours' notice the students suspect NERO's most Martin TITAN III-C would be and could land at any of several frequent use would be inspection, particularly useful for the NERO pre-designated fields in the conparticularly of satellites launched job. With more than three million tinental U.S. This means a by other nations. They estimate pounds of staged thrust, the boost-stranded astronaut would never there will be a need for six NERO- er is capable of putting 26,000 be stuck for more than half a type inspection missions a year pounds of payload into an orbit day or so. The NERO vehicle 100 miles high. The students de- would gain landing maneuverabil-But if manned launches contin- signed their spacecraft at 13,000 ity during re-entry and return ue increasing in frequency, the pounds, and used the excess from the aerodynamic characterstudents believe NERO crews booster capability to carry pro- istics of its boatlike shape. In adcould be called on for orbital res- pellants which would provide the dition, its flight characteristics cue work at the rate of once or generous maneuvering capability for landing would be augmented necessary for complex rendezvous by a 4,500-pound thrust jet engine, with sufficient fuel for about by a team of professors headed III-C, because its upper stage 15 minutes of powered flight time by Paul Sandorff, of the Depart- liquid engines use storable non- during final approach to provide

Gil new Associate Dean for Executive Programs

Dr. Peter P. Gil, for the past $\,\,$ From 1951 to 1956, Dr. Gil $_{Was}$ four years Director of Executive assistant manager of the state Development Programs and Sentraining and research division of for Lecturer at the Alfred P. Sloan School of Management at Technology, has been appointed Centre d'Etudes Industrielles in Associate Dean for Executive Geneva, Switzerland, in 1956 and Programs.

Announcement of the appointment was made by the School's Dean William F. Pounds. Dr. Gil consultant and lecturer in execuwill continue to be responsible for tive development for several mathe Executive Development Pro- jor industrial organizations and grams at the School. These include the Sloan Fellowship Program which provides an academic year of graduate study for a select group of young business executives and semi-annual 9week graduate programs for key senior business executives.

Dr. Gil, who served with the parachute infantry in Europe in World War II, was graduated An attractive feature of the cum laude from Harvard College

the Aluminum Co. of Canada served successively as Dean of Students and Assistant Director

While in Geneva, Dr. Gil was universities in Europe.

Noted for the best Sandwiches to eat in or take out. FAMOUS ROAST BEEF SPECIAL

SANDWICH-KNACKWURST-BRATWURST with SAUERKRAUT or POTATO SALAD

"und die feinen Wurstwaren" 71 Mt. Auburn St., Cambridge 491-2842

PHIL & CLAUDETTE MARKELL



NEXT TO CUSTOMER SERVICE IN BOOK DEPARTMENT Quality and Service is Our Byword — Patronage Refund Ophthalmologists prescriptions are filled promptly — accurately. Excellent selection of frames for Men-Women-Children.

Office Hours: Monday-Saturday, 8:50-5:30 — Lunch 2-3 (Closed) Phone 491-4230, Ext. 50 or from MIT dial 8950

the tech coop

IN THE M. I. T. STUDENT CENTER

64 Massachmetts Avenue, Cambridge, Mass. 02139



SC Art Studios to

classes in drawing, painting and tember 20, at 7:30, to discuss modelling will again be held in their plans. They are Mimi Luft, the Art Studios on the fourth floor Art Wood, and Cora Pucci. of the Student Center, in rooms Each class will meet once a 423, 425, and 429. A wheel and a week for about 14 weeks, following kiln are being added to the studio registration equipment for use by those who Thursday of next week. The fees are interested in ceramics.

the classes will be on hand in per term.

Evening and Saturday morning room 425 Tuesday evening, Sep-

are \$10 for class fee plus \$2 for The three artists who will teach locker fee if a locker is required,

ACE BICYCLE SHOP, Inc. LOWEST PRICES

BEST SERVICE & REPAIRS ALL BICYCLES PURCHASED AT ACE SERVICED FREE

BACK TO SCHOOL SPECIALS AT

Racing Bikes

Rudge

Dunelt



Raleigh

Peugeot

NEW and USED

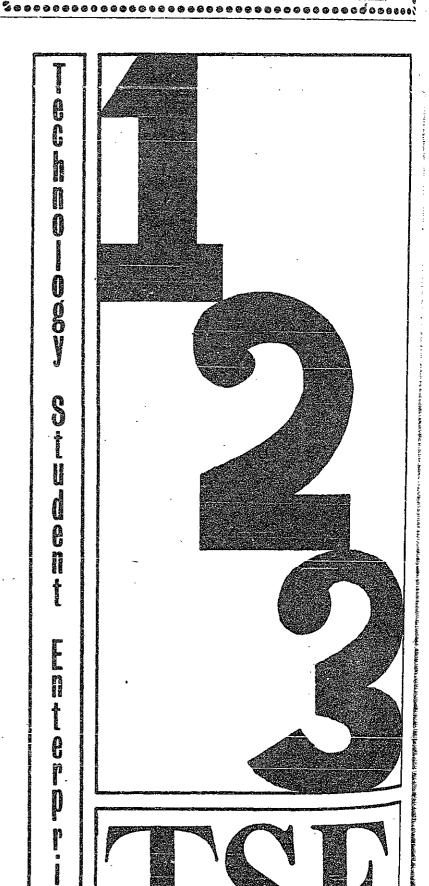
IIII Mass. Ave. Cambridge 876-8200

Ball Sq., Somerville 703 Broadway 625-0300

Technology Student Enterprises, inc. in the front of the

9 to 5 weekdays phone 864-3194 or x2924

S



attend Science Day Camp

For 70 energetic boys, Saturday enrolled and to the Institute. The joined the group this summer. perience in learning at MIT.

The boys received certificates proving parents and friends.

Valedictorians speak

valedictorians from each of the bined with fun. Lans and Steven Donohoe from out the school year. the Webster School, Cambridge,

Johnson addresses group

a brief address by Howard W. Johnson, new president of MIT, who stressed the value of the Sci-

4969966666666666666666 SOUASH RACKETS All Makes - Large Variety Tennis & Squash Shop 67A Mr. Aubum St., Cambridge® (Opp. Lowell House)

TR 6-5417

marked the end of a summer ex- campers, he said, bring vitality to More than 40 members of the The boys received certificates of attendance from Richard Adelogram and emissions at the faculty gives the company at the faculty gives the given the giv of attenuance from an of the faculty gives the campers an op- phasis is placed on harnessing the MIT Science Day Camp, at this portunity to share knowledge at enormous energies of the campyear's closing exercises in Kresge the frontiers of science and techers in laboratory and other activi-Auditorium. The audience of more nology. Mr. Johnson also pointed ties which help them to underthan 100 was composed of ap- out one reason for the camp's stand the concepts involved. success, "The remarkable thing

three classes enrolled made brief The camp was started a year attending measurements and logic speeches outlining the accomplish- ago by MIT for boys in its neigh- in the morning and a course in ments of their classes during the borhood. Last summer's program cities in the afternoon; another, summer. They were Wayne Scott met with such success that by re-communications and humanities; who will enter Longfellow School, quest of the campers, Saturday Cambridge in September, and Roy classes were scheduled through-

Since the beginning of this year, who will begin ninth grade next the MIT Science Day Camp has been subsidized in part by the Office of Economic Opportunity un-A highlight of the program was der Project Upward Bound, directed by Dr. Richard T. Frost.

Basic aim

The basic aim of the camp is to ence Day Camp both to the boys assist in developing the learning abilities of the boys to the extent that they will be able to enter college. The same group, plus additions each year, can continue in the program until their graduation from high school. Though nearly all of the boys come from Cambridge, several from Boston

the faculty, challenging its con- MIT faculty have taught in the

Camp days are full of activity. is that learning should be com- In groups of 20 to 25, the boys go to two classes each day, one class and this year's new class, biology and physics. After the morning class there is an athletic period, then lunch. A seminar period in the afternoon gives the boys a chance to pursue informal interests. This is followed by the second class or laboratory and a swim period which concludes the

Wednesday trips

On Wednesdays the regular road on field trips. Using the criterion that field trips must be entertaining as well as educational, son's Wild Animal Farm, Ply-have surprisingly good teeth. mouth, the Plum Island Wildlife

was organized under the auspices Science at MIT. of the MIT Committee on Comdirector is Dr. Warren M. Brodev. burg, Germany. Student co-chairmen are Richard ment of the families is essential body. to fulfillment of the camp's aims.

Open Every Day

From 8:30 to 5:30

Betas challenged by SAE for third straight by football crown

Epsilon in last year's final, 9-0. 20, in the Athletic office. For the Sailors this was their sec- Organizations will be allowed to their "B" division crown as will ber 15 and 22. Phi Sigma Kappa in the "C" di- A referees' meeting will be held vision.

by Friday, September 16 from Jack Swaim, X-3782.

Beta Theta Pi will be shooting fraternities, and by Monday, Sepfor their third straight IM foot. tember 19 from dormitories. Seaball crown this fall. The Beta son schedules for both undergradpowerhouse shutout Sigma Alpha be available Tuesday, September

ond straight final game loss to switch players from "A" to "B" the Betas, so they will be looking teams during regular season play, for a return match this year. SAE but all rosters will be frozen aflast won the title in 1963. Zeta ter season play ends on October Beta Tau will return to defend 8. Playoffs will be held on Octo-

Wednesday, Sept. 21, at 7:30 pm Actual competition will begin in the conference room at DuPont. Saturday, September 24, at Briggs All persons interested in officiat-Field. Rosters, deposits, and ing IM football should attend. All team information forms are due questions regarding IM football in the Athletic Association office should be directed to manager

Study indicates teeth lose weight

schedule is suspended and counteeth devoid of storage fat, two glyceride lipids. selors and campers take to the MIT nutrition scientists have re-

The finding, they said, may exforays have been made to Ben- plain why underfed people often

The scientists are Dr. Robert Preserve, Sturbridge Village, the S. Harris director, and Dr. Salil Canada Dry plant and a news- K. Das a staff member at the Oral Science Laboratories of the The MIT Science Day Camp Department of Nutrition and Food

They made their report before munity Service and the student the Seventh International Nutri-Social Service Committee. Faculty tion Congress being held at Ham-

Fatty acids are stored in the Adelstein and Michael Efron. One tissues of the body as glycerides undergraduate counselor is as- and are gradually chopped up to signed to each group of four to produce energy as needed; Nonsix campers. The counselor at-glyceride lipid metabolites, on the tends classes with his campers, other hand, function in the body helps them with any questions to assist in the transfer of materthey may have and acts as a ials across cell membranes and strong link between the camp and to transport fat-soluble nutrients other hand, the amount of metathe boys' families. Active involve- such as vitamin A throughout the bolically-active non-glyceride lip-

The teeth of well-fed rats con-

Special Discounts

to M.I.T. Students

DW CAB SERVICE

ALL CABS RADIO EQUIPPED

Harvard Community Exchange

1094 Mass. Ave., Cambridge

Not just another store but

an old Cambridge tradition

Quality Merchandise at Bargain Prices

Cambridge's Largest Used Clothing Store

Underfed rats develop "lean" tain as much glyceride as non-

Dr. Harris and others in his group at MIT recently reported differences in the lipid patterns of the teeth of 16 species of ani-

In their experiment with underfed rats, Dr. Harris and Dr. Das wanted to find out whether the kinds and amounts of lipids and fatty acids in teeth are influenced by diet.

A control group was permitted to eat as much as desired. The test group was given each day two-thirds as much as the control. This amount permitted the test animals to grow slowly, but at all times they were hungry.

The researchers found no fat (glycerides) in the teeth of test animals which were sacrificed as early as three weeks after the start of the experiment. On the ids increased by 40 per cent.

When animals, including man, are underfed, they lose their fat and become lean. The MIT experiments have shown that the teeth also become lean, the investigators said.

No correlation with dental caries was attempted in this study. Nevertheless, the scientists predicted that lean teeth are more resistant to cavities than fat teeth. Teeth are not inert, they pointed out. Radioactive tracer studies have shown that teeth are metabolically active, especially young teeth, and that minerals and compounds are transferred via the dental tubules which honeycomb the tooth structure.

The MIT scientists speculated that the glycerides present in dental tubules of well fed animals plug the tooth passages and hinder tooth metabolism.

NSURANCE? NEED

NO BETTER BUY THAN-

Ask about Rates, Net Payment, Net Cost, Special Purpose Policies.

It will be worth your while - No obligation

Savings Bank Life Insurance

LIFE INSURANCE DEPARTMENT

CAMBRIDGEPORT SAVINGS BANK

689 Mass. Ave., Cambridge TR 6-2240 — UN 4-5271

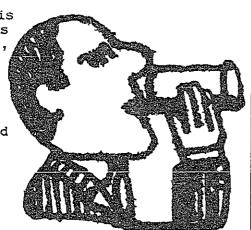
Please don't zlupf Sprite. It makes plenty of noise all by itself.

Sprite, you recall, is the soft drink that's so tart and tingling, we just couldn't keep it quiet.

Flip its lid and it really flips. Bubbling, fizzing, gurgling, hissing and carrying on all over the place.

An almost excessively lively drink. Hence, to zlupf is to err.

What is zlupfing?



smacking one's lips is to eating.

It's the staccato buzz you make when draining the last few deliciously tangy drops of Sprite from the bottle with a straw.

Zzzzzlllupf!

It's completely uncalled for. Frowned upon in polite society. And not appreciated on campus either.

But. If zlupfing Sprite is absolutely essential to your enjoyment; if a good healthy zlupf is your idea of heaven, well...all right.

But have a heart. With a drink as noisy as Sprite, a little zlupf goes a long, long

SPRITE. SO TART AND TINGLING, WE JUST COULDN'T KEEP IT QUIET.





Boathouse dedicated

By Tony Lima

The new Harold Whitworth Pierce Boathouse was dedicated on Friday, September 9. The dedication of this structure gives MIT one of the most modern collegiate crew training and rowing facilities available anywhere.

The boathouse houses the most advanced indoor rowing simulator in existence. The simulator contains a stationary eight-oar rowing frame and will simulate free water rowing conditions by moving a high-velocity stream of water past the frame at variable rates up to full racing speed. This yearround training facility will allow MIT oarsmen to build up to the 34 to 38 strokes per minute used in international and Olympic competition. The rowing simulator will be equipped with movable platforms that are free to roll with the same degree of stability as an actual shell so that an oarsman can learn proper balance as he rows at any chosen speed.

Killian presides Dr. James R. Killian, Jr., Chair-

Joe Duplin wins sail championship

Sailing coach Joe Duplin had an interesting summer, winning the European and North African Championships by 11 points. The championships were held August 23 September 1 in Switzerland. Joe finished ahead of a three-way tie for second place in the International Star class sailboats.

From September 2 to 10, he competed in the world championships in Germany. He would have won this also, except that he broke a bone in the third race and finished sixteenth. In the four other races, Duplin took a first, 2 seconds and a third. If he would have turned in a comparable performance in the third race, he

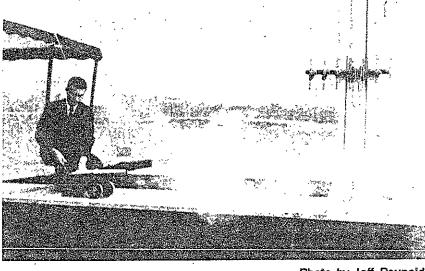


Photo by Jeff Reynolds

Mike Kruger '67, Commodore of the Boat Club, fires a cannon at the dedication of the new boathouse on September 9. participation and not to gain national prominence for Mike rows in the light eight, and has been rowing varsity for three years.

dent Howard W. Johnson accepted old boathouse. on behalf of the Institute.

Speakers on the program were Professor Ross H. Smith, MIT Director of Athletics; J. Michael Kruger, '67, who is commodore of the Boat Club; and Jack H. Frailey, who has been head crew coach since 1959.

Simulator to be instrumented

The Athletic Department plans later to instrument the simulator so the forces exerted on the oarlock and footboard can be measured accurately. This will make it possible to compare the strength, timing and endurance of different oarsmen. In addition, observers will be able to study the effects of different blade shapes and riggings. These instruments also may make it possible to vary the water speed automatically in order to simulate actual rowing condition more closely.

The building will accommodate would have easily won the champ- 24 eight-oar shells, 6 fours,6 pairs, ionship. Duplin will return for his enough racing sculls and practice third season as head coach this gigs for the intercollegiate and recreational rowing programs and

Cagers return from Europe 14-12 won-lost record

tour of Europe. The cagers played 26 games, winning 14, in Iceland, Luxembourg, Yugoslavia, Greece and France.

The team began their trip in Iceland, where they spent four days, but played only one game in which they were beaten 60-56. From there, they flew to Luxembourg, where they defeated the national team of that country, 44-37.

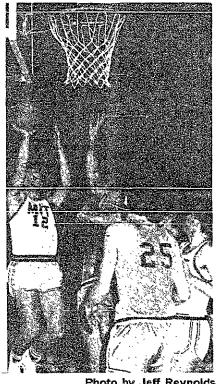


Photo by Jeff Reynolds

European tour.

From there, the team left for rain. But, the skies cleared in on to win, 65-64.

At Belgrade, the Beavers met the Yugoslav national team, which had defeated the U.S. team in the recent world basketball tournament. Here, they lost 72-60. Altogether, the team won 10 out of 17 games played in Yugoslavia.

Tie for first in Greek tourney The next stop was Salonica, Greece, where the engineers played a three-game tournament. They won the first two games, but lost the third, good enough for a tie for first. They then went to the Greek Nationals, where in the World Rowing Champion- Club. they lost three games. From there, they traveled back to Luxembourg, where they won their final game, 83-57.

Along with Coach Jack Barry and adviser George Oberbeck, 14 Philadelphia on August 21. The members of the team made the four are Seymour Cromwell '64, trip. They included co-captains Arthur "Sandy" Blanchard '65, Bob Hardt '67 and Alex Wilson Robert Sandel '64 and John Schil- X graduate. John was captain of '67, along with Dave Altmann '68, Alec Bash '68, Steve DeRodeff "68, Ray Ferrara '67, Bob Ferrara Jack Mazola '66, ex-captain '67, John Flick '66, Tom Hinrichs of the team, lays the ball up for '67, Dave Jansson '68, Kevin Kintwo. He starred on the team's sella '67, John Mazola '66, Dan Santini '68, and Mike Perry '69.

formal presentation. MIT Presi- approximately double that of the

History of good crews

1954 and again in 1955.

man of the Board at MIT, presided a corresponding number of sweep

During their 46-year history, MIT crews have made strong showings in intercollegiate regattas and in the Henley Royal Regatta in England. The MIT

Benchwarmer

Athletics play large part in extracurricular life

"Sports at MIT?" asks the entering freshman when he first encounters the extensive athletic program avail. able at Tech, "But I thought all you did was study" This reaction is typical of the most popular misconcep. tion about the MIT athletic program.

Varsity, freshman, and intramural teams in almost every imaginable sport greet the freshman entering the MIT sports scene for the first time. With everything from varsity crew to intramural ping pong, the diversity of athletic activities at Tech is only matched by the versity of people and interests in these activities.

The intercollegiate program, though not highly publicized is one of the largest and most varied in the nation. With at present eighteen intercollegiate sports MIT is tied with Navy for having the largest number of inter-collegiate athletic teams.

The sports program at Tech is designed for student the school. That type of program would require extensive recruiting and athletic scholarships, both of which are not within the MIT athletic philosophy.

With an athletic philosophy such as this you will at the dedication and made the and scull oars. Storage capacity is find, of course, that the comparative strength of the teams will vary from sport to sport. And, as a result some teams such as crew, lacrosse, and sailing compete against nationally ranked teams while others find competition among the smaller colleges in New England This provides strong, interesting competition for each MIT team.

The great abundance of publicity for technological achievements made at Tech tends to overshadow the sports picture to such an extent that one is led to be heavies won the Eastern Sprint lieve that sports take a back seat and are not really Championship at Washington, D.C. taken too seriously. One look at crew practice in the in 1951, beating Harvard by one snowy spring or cross country meets in the rain will foot. The lights won the Thames dispel any such misconceptions. MIT athletes are all out Challenge Cup at the Henley in working hard to win and consider athletics to be as important a part of their school lives as studies.

Golf strongest of 4

Sophomores

on September 23, meeting Verposition is Gerry Banner '68. Captain Travis Gamble '67 and Jack Rector '68 are expected to provide a nucleus from which Coach Merriman will build a team. Sophomores expected to provide needed depth include last year's Mahan, Carl Everett and Bill ten hour bus trip, the team upset in the spring. Banner is expected runner will be assured of his posi-Cacak. At the end of the first championship this summer, shoothalf, the engineers found them- ing 67-73-71. Behind him, there selves behind by 14 points, large- will be a scramble for positions. ly due to the fact that they were Thomas and Kast, as freshmen, unaccustomed to playing in the averaged in the middle 70's. The Sir George William Tournament the second half, and they went in Montreal October 14 is expected to be the top match, followed New York October 21-22. This golfers in years.

Sophs boost cross-country

Four fall teams begin their sea- ginning the season with high tyla '67 and George Jones '67. Av sons in the next two weeks. The hopes. The team's main problem Markowitz '67 will be unavailable varsity golfers open their season will be filling the sizeable shoes this year, as he turned profes left by the graduation of Sumner sional over the summer. Sophi-Brown. The harriers begin their mores expected to be helpful admont and Clark in a triangular season October 1 with the Engi- ditions to the team are Joe Kamatch. Returning at number one neer's Cup race with WPI and dich, Tom Turri, and Carl Ever-RPI at Worcester. Leading the ett. team will be captain Harry Link '67. He along with Dan Hoban '68 and Helge Bjaaland '67 will provide a base from which the team will grow.

Sophomores expected to provide number one man, Tom Thomas, needed support are last year's along with Greg Kast, Mike Mc- Greater Boston freshman champion. Stan Kozubek, along with Tech's varsity basketball team a 25 day stay in Yugoslavia. At Stewart. Everett will be lost to Jim Yankaskas, Tom Najarian, New England champions, a week recently completed a six-week the Bor copper mines, after a soccer this fall, but will be back Rich Wolfson and John Usher. No after the season opens. a strong Yugoslav team, 95-75. to be outstanding among the New tion, for the quality of last year's The next game was played in England golfers. He won his city frosh places even the number one position very much in doubt. Soccer changes coach

> The soccer squad will be operating under a new coach this year. Bill Morrison has been moved up from the freshman team to take over the varsity slot. Prospects for the team look good this by the ECAC match at Bethpage, year. Faced with an eleven game schedule which includes Holy should be the best team for the Cross for the first time, the engineers open against WPI there on September 28. The team will The cross-country team is be-be led by co-captains Rick Gos-

The team is currently practicing from 10 to 12 in the morning and 2 to 4 in the afternoon. At 6, they see training movies. Morrison is now seeking to provide the training the team will need later in the season. They are faced with a tough schedule, playing Middlebury, the defending

Sailors rebuilding

The sailors are facing a rebuilding year. They must find replacements for Terry Cronburg, Don Schwarz, Joe Smullin, whom they lost through graduation last year. Right now, they have a nicleus of four to six good sailors, but the team needs a lot of work and has not yet really jelled. The sailors will be captained by Chet Osborn '67.

four Tech graduates compete in World Rowing Championships Four MIT graduates competed rowing for the San Diego Rowing

ships held in Bled, Yugoslavia this summer. These four were chosen for the U.S. team at the National Championships held in ling '65.

Sy Cromwell rowed in the 1964 Olympics in a Double scull and won a silver medal. He went to Henley that year and won the When the team returns, it will Diamond Sculls. Sy is currently tour privately in this country.

Sandy Blanchard rows in an eight for the Union Boat Club. He graduated in metallurgical engineering.

Bob Sandel and John Schilling both row in the four for the Union club. Bob rows stroke, while John is the three man. Bob is a course the MIT crew in 1965. He graduated in mechanical engineering. The U.S. team will include 36

oarsmen, coxswains, and alternates in all seven Olympic events.